

YS4HPC500-R7-2R7-N

4-Way Hybrid Power Combiner, 500 W, 0.7-2.7 GHz, N-Type

Key Features

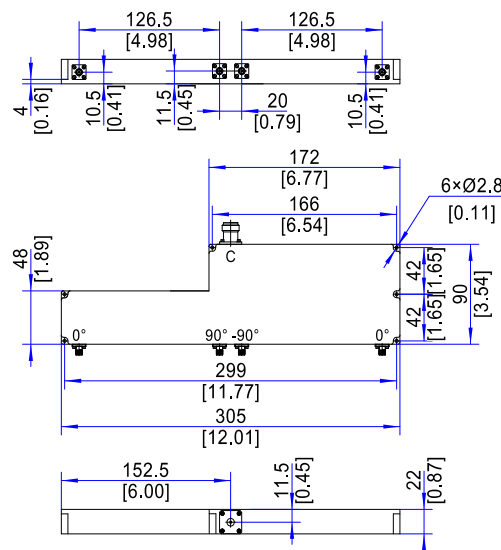
- Low insertion loss
- High port isolation
- Wide operating bandwidth
- Excellent amplitude and phase balance
- Custom frequency and power options

Applications

- RF power amplifier combining
- Wireless infrastructure
- SATCOM systems
- Radar transmitters
- RF test systems

Electrical Specifications		
1	Frequency Range	0.7-2.7 GHz
2	Insertion Loss	≤ 0.7 dB (avg.)
3	Common Port VSWR	$\leq 1.50:1$
4	Branch Port VSWR	$\leq 1.50:1$
5	Isolation	≥ 16 dB
6	Amplitude Balance	$\leq \pm 0.8$ dB
7	Phase Balance	$\leq \pm 8^\circ$
8	Power Handling	500 W(CW)
9	Impedance	50 Ω
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	N-Type Female, SMA Female
2	Surface Finishing	Natural Conductive Oxidation
3	Dimensions ¹	305×90×22 mm / [12.01×3.54×0.87 in]

Outline Drawing (Units: mm/[inch], Tolerance: ± 0.2 mm)



Note 1: Excluding Connectors